

Title (en)

Capacitor microphone and portable telephone using the capacitor microphone

Title (de)

Kondensator-mikrofon und mit diesem Kondensator-mikrofon ausgestattetes tragbares Mikrofon

Title (fr)

Microphone capacitif et téléphone portable utilisant le microphone capacitif

Publication

EP 1309224 A3 20100407 (EN)

Application

EP 02024508 A 20021030

Priority

JP 2001334371 A 20011031

Abstract (en)

[origin: EP1309224A2] To provide a capacitor microphone without molds or dies formed with a high accuracy for the manufacturing of spring terminals of the capacitor microphone, this invention provides a capacitor microphone including spring terminals attached to an insulator so as to make the spring terminals contact and conductive with contact points provided at the inside and the outside of a capacitor microphone main body. The spring terminals are provided with leg portions each formed by a pair of wire rods having elasticity which protrude in directions separating to each other toward the outside. The spring terminals can be manufactured in a short time and at a low cost and realize a stable electrical connection.

IPC 8 full level

H04R 19/00 (2006.01); **H05K 7/12** (2006.01); **H04R 1/02** (2006.01); **H04R 1/04** (2006.01); **H04R 19/04** (2006.01); **H04W 88/02** (2009.01)

CPC (source: EP US)

H04R 19/04 (2013.01 - EP US)

Citation (search report)

- [Y] JP 2001102116 A 20010413 - KYOCERA ELCO KK
- [Y] JP 2000268925 A 20000929 - J S T MFG CO LTD
- [XP] JP 2002152874 A 20020524 - STAR MFG CO
- [Y] WO 0145213 A1 20010621 - KIRK ACOUSTICS AS [DK], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

Designated extension state (EPC)

AL LT LV MK RO SI

DOCDB simple family (publication)

EP 1309224 A2 20030507; **EP 1309224 A3 20100407**; JP 2003143679 A 20030516; JP 3852913 B2 20061206; US 2003081801 A1 20030501; US 6748091 B2 20040608

DOCDB simple family (application)

EP 02024508 A 20021030; JP 2001334371 A 20011031; US 27943302 A 20021024